

Fig. 1

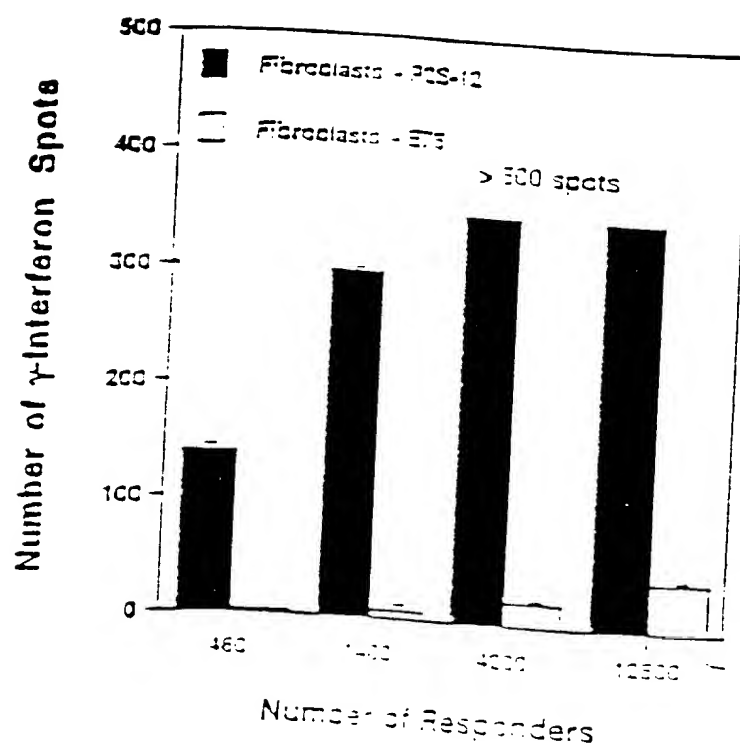


Fig. 2A

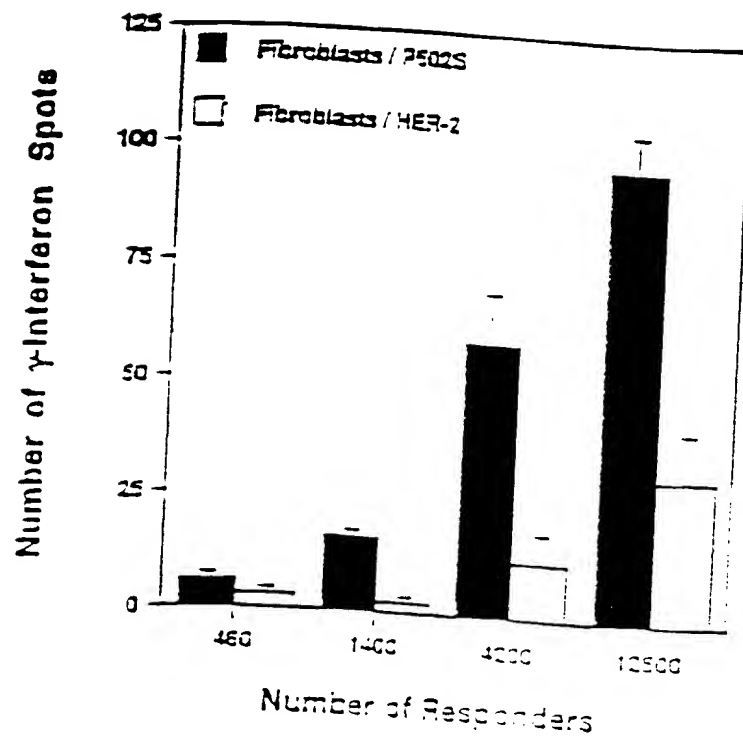


Fig. 2B

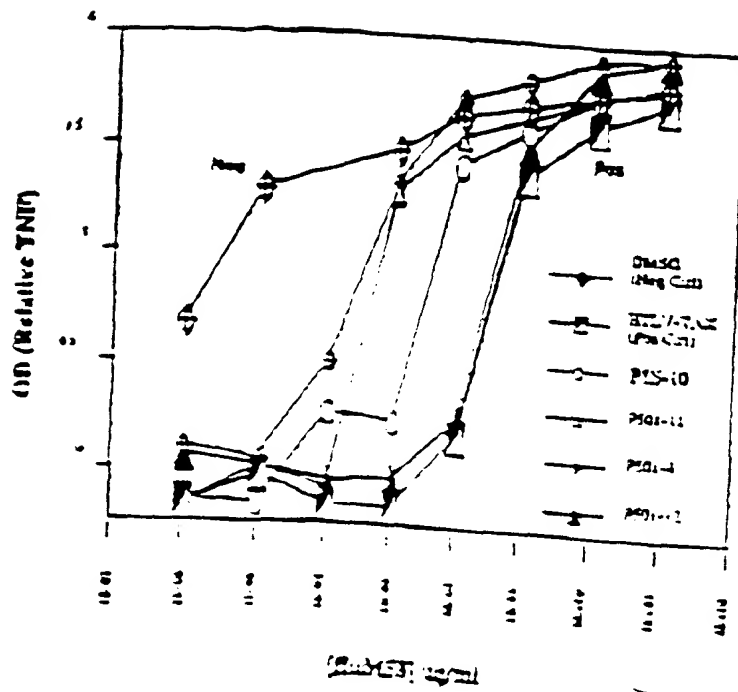


Fig. 3

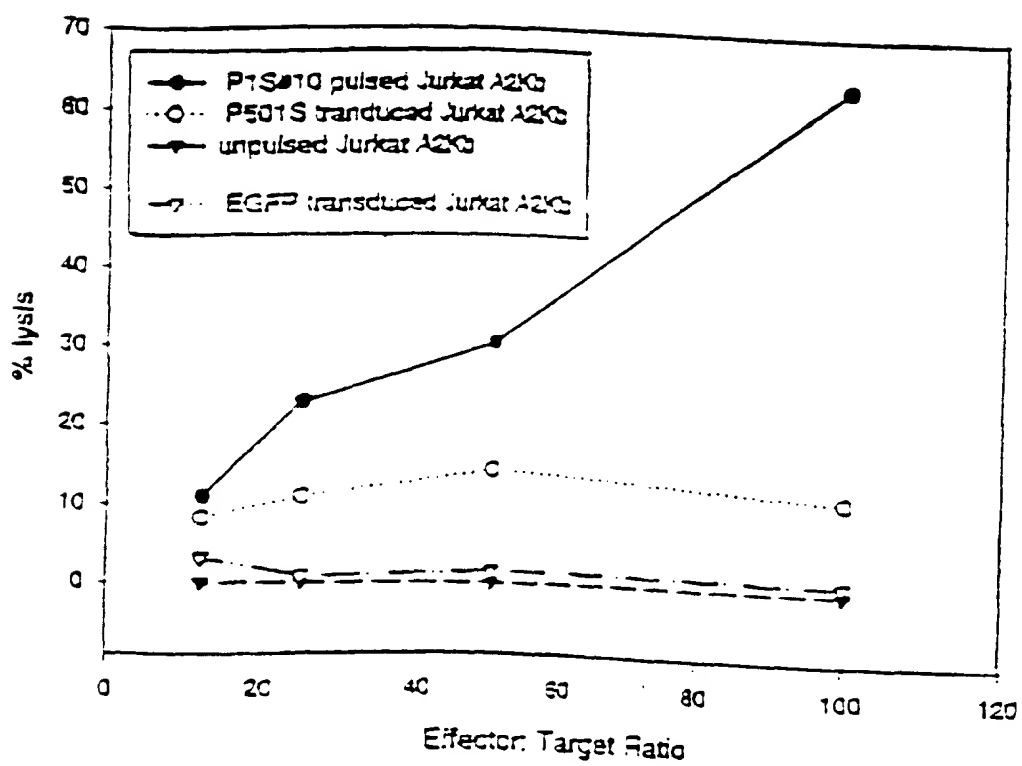


Fig. 4

Culture fraction	% lysis (p501S transduced Jurkat A2Kb)	% lysis (EGFP transduced Jurkat A2Kb)
0.02	10	0
0.04	18	0
0.10	22	0
0.28	33	-1

Fig. 5

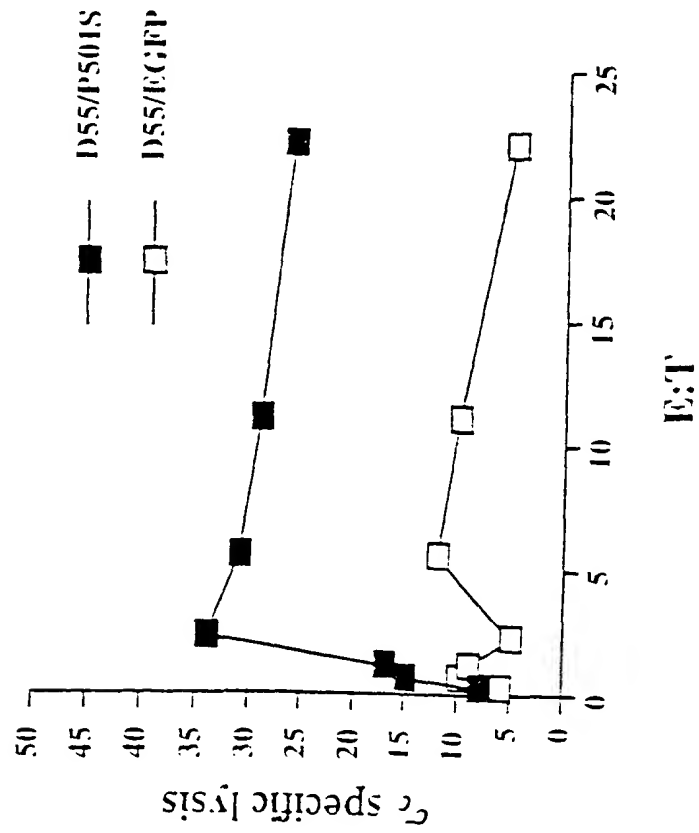


Fig. 6A

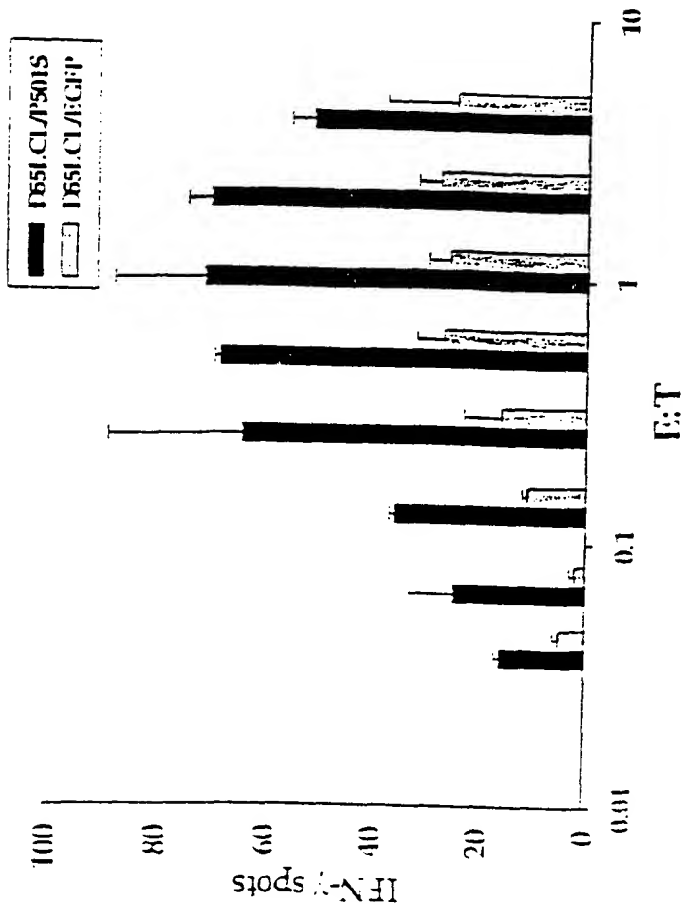
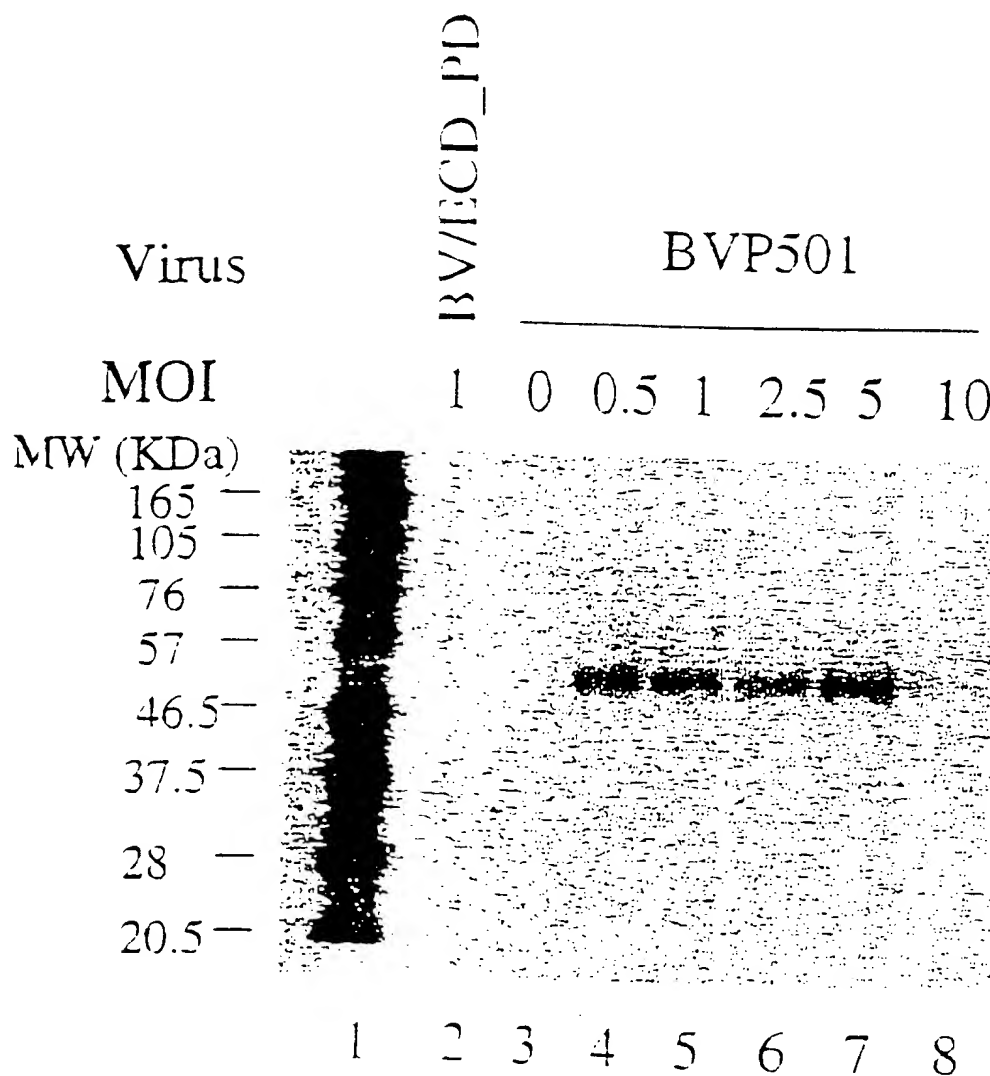


Fig. 6B

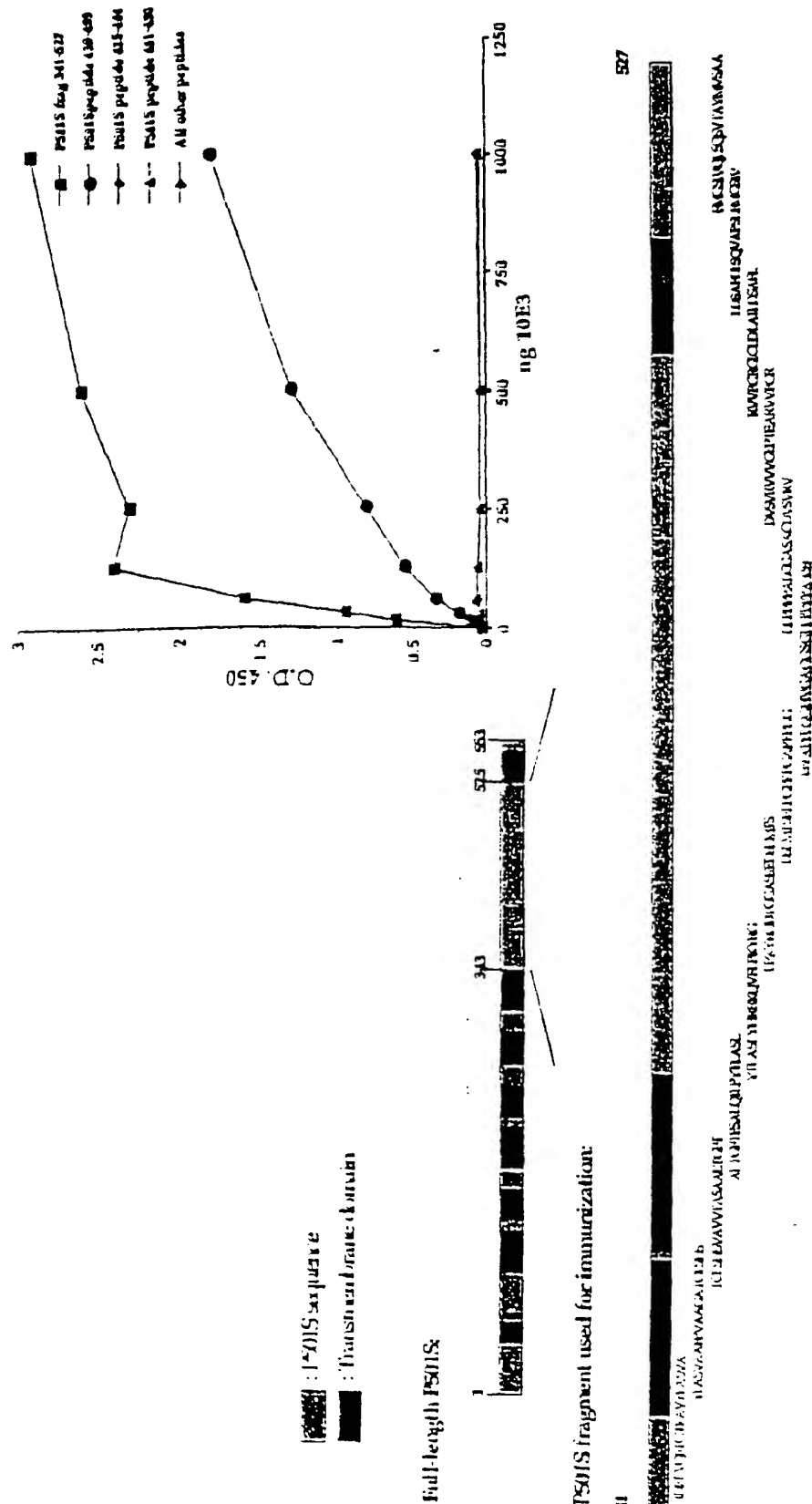
# Expression of P501S by the Baculovirus Expression System



0.6 million high 5 cells in 6-well plate were infected with an unrelated control virus BV/ECD\_PD (lane 2), without virus (lane 3), or with recombinant baculovirus for P501 at different MOIs (lane 4 - 8). Cell lysates were run on SDS-PAGE under the reducing conditions and analyzed by Western blot with a monoclonal antibody against P501S (P501S-10E3-G4D3). Lane 1 is the biotinylated protein molecular weight marker (BioLabs).

Fig. 7

**Figure 8. Mapping of the epitope recognized by 10E3-G4-D3**



9

# Figure 1. Schematic of P501S with predicted transmembrane, cytoplasmic, and extracellular regions

MYQRLWYSRLRHKK AQLLLVNLLTGLEVCLAAQIT YVPPILLLEVGVEEKFM TMVLGIGPVILGLVCVPLLGSGAS  
DHWKRGVYGRRRP FIWALSQILLSLFLPRAGWL AGLLCPDPRPLE LALLHGVGLHDFCGQVCFTPL  
EALLSDLEFRDPDHCRQ AYSYYAFMISLGGCLQNYLLPAI DWDYSALAPVLTQKE  
CLTGLLLTLFLTCVAATLLY AEEAALGPTEPAEGLSAPSLSPHCCPCRARLAERNLGALLPRL  
DQLCCMPRTLRR LPYAEHCSWMALMTFLPYTDP YGEGLYQGVPPRAIPGTTEARRHIYDEGVH  
MCSLGLHLOCAISLVESLYM DRIVQREFGTRAVYLAS VAAFPVAAAGATCLSHSVAAVVTASAA  
LTGTFESALQILPYTLASLY HREKQVFLPKYRGDTGGASSEDSIMTSFLPGPKPGAPFPNGHIVGAGCSGL  
LPPPPALCGASACDVSVRWWVGEPTEARVVPGRG ICLLDLAILDSAFLLSQVAPSLF MGSIVQLSQS  
VTAYMVSAAGILGLVAIYFAT QVVFDKSDLAKYSA

Underlined sequence: Predicted transmembrane domain; **Bold sequence:** Predicted extracellular domain;  
*Italic sequence:* Predicted intracellular domain. Sequence in bold/underlined: used to generate polyclonal rabbit serum

Localization of domains predicted using IMMTOPI (G.E. Tusnady and I. Simon (1998) Principles  
 Governing Amino Acid Composition of Integral Membrane Proteins: Applications to topology Prediction. J.Mol Biol. 283,  
 489-506.

# Genomic Map of (5) Corixa Candidate Genes

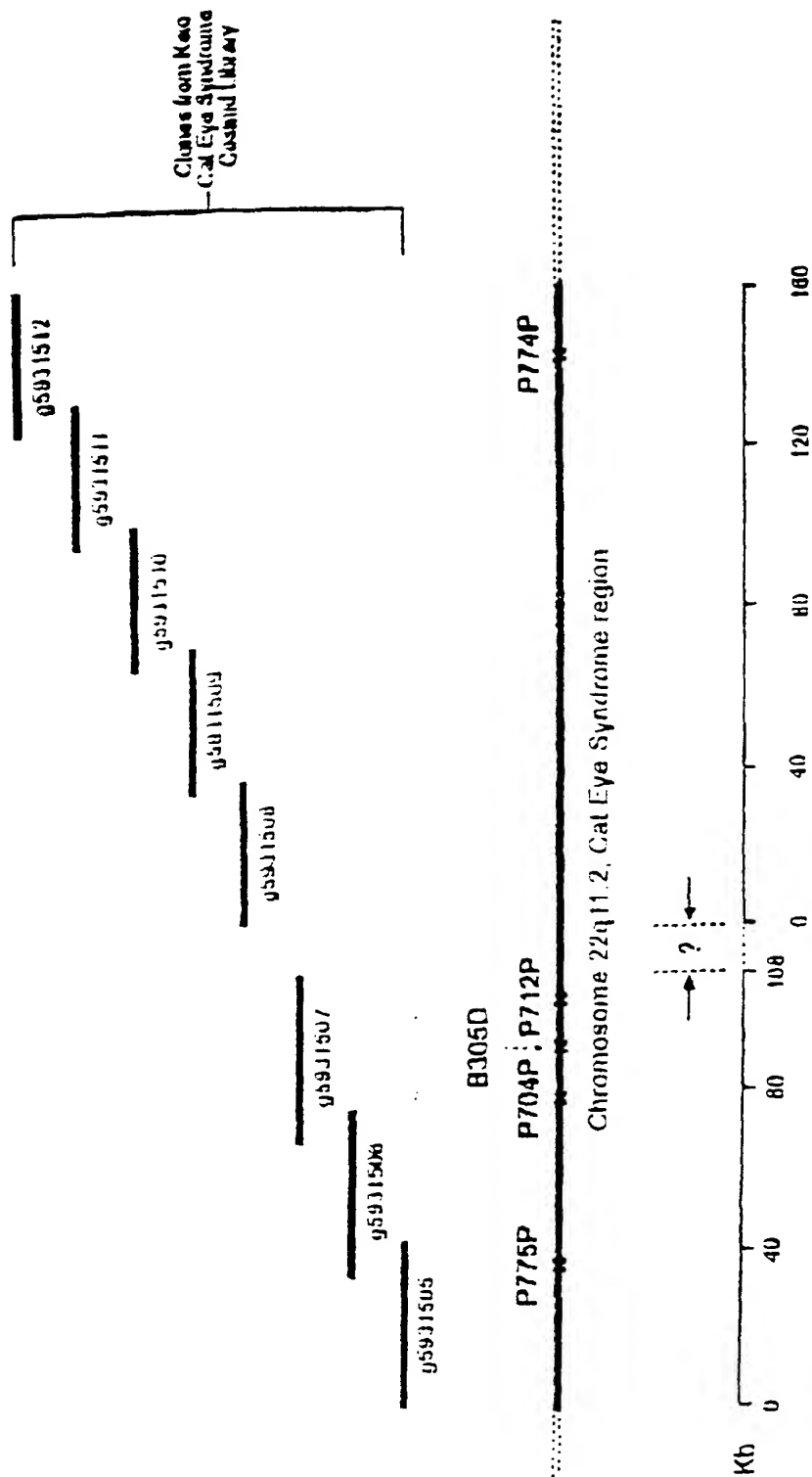


Fig. 10

11

# FIGURE 4. Elisa assay of rabbit polyclonal antibody specificity

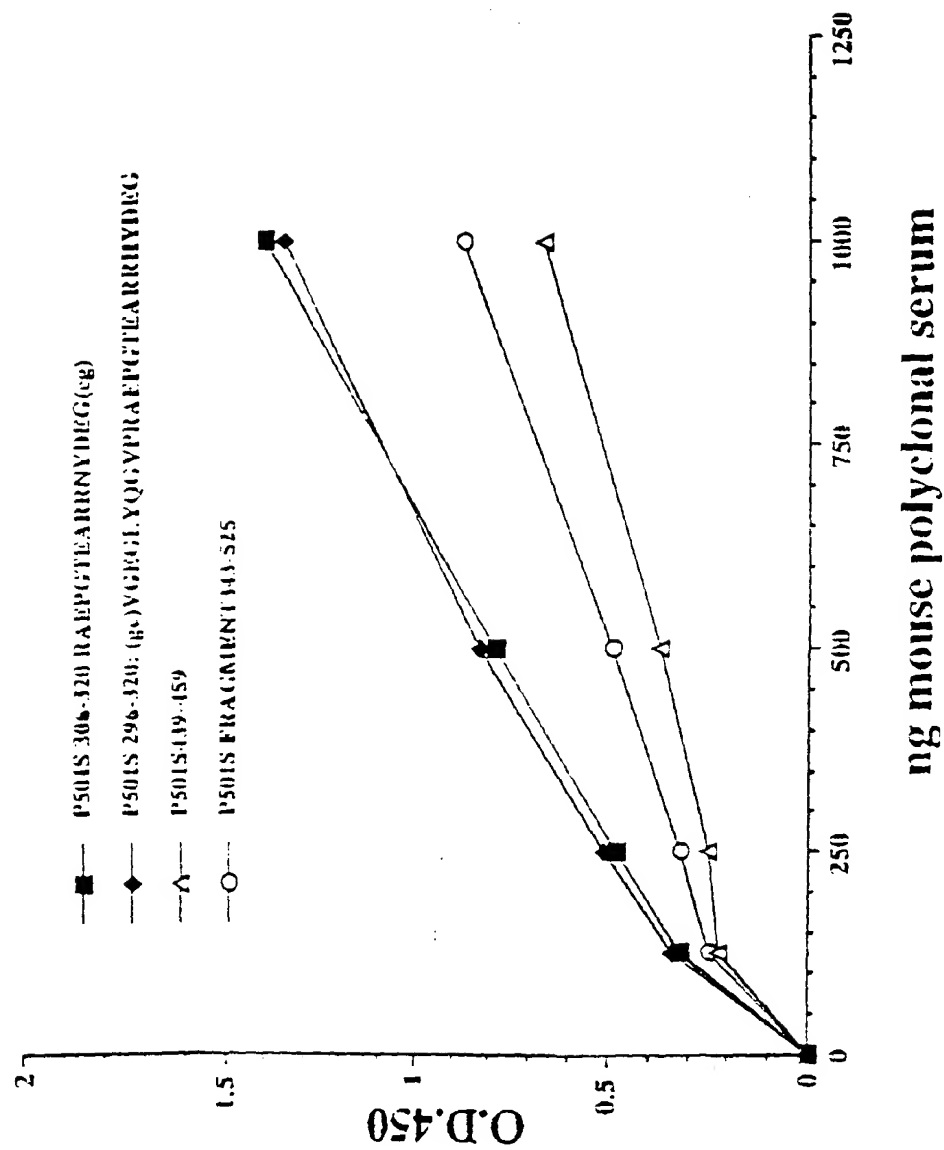


Fig. 11

10 20 30 40 50 60 70

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GAATTTTATTCAAGCAAATTTTAAGAAACGAGAATGTGTCTTCTTTACCAAAGATTCCAAGGCCACGGAG 210  
AATGTGTGCAAGTGTGGCTATGCCAGAGCCAGCACATGGAAGGCACCCAGATCAACCAAAGTGAGAAAT 280  
GGAACTACAAGAAACACACCAAGGAATTTCTACCGACGCCTTTGGGGATATTCAGTTTGAGACACTGGG 350

360 370 380 390 400 410 420

GAAGAAAGGGAAGTATATACGTCTGTCCTGCGACACGGACGCGGAAATCCTTTACGAGCTGCTGACCCAG 420  
CACTGGCACCTGAAAACACCCAACCTGGTCATTTCTGTGACCGGGGGCGCCAAGAACTTCGCCCTGAAGC 490  
CGCGCATGCGCAAGATCTTCAGCCGGCTCATCTACATCGCGCAGTCCAAAGGTGCTTGGATTCTCACGGG 560  
AGGCACCCATTATGGCCTGACGAAGTACATCGGGGAGGTGGTGAGAGATAACACCATCAGCAGGAGTTCA 630  
GAGGAGAATATTGTGBCCATTTGGCATAGCAGCTTGGGGCATGGTCTCCAACCGGGACACCCCTCATCAGGA 700

710 720 730 740 750 760 770

ATTGCGATGCTGAGGGCTATTTTTTAGCCAGTACCTTATGGATGACTTCACAAGGGATCCACTGTATAT 770  
CGTGGACAACAACCACACACATTTGCTGCTCGTGGACAATGGCTGTCATGGACATCCCCTGTGGAAGCA 840  
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TCCCCATTGTGTGTTTTGCCCAAGGAGGTGGAAAAGAGACTTTGAAAGCCATCAATACCTCCATCAAAAA 980  
TAAAATTCTTGTGTGGTGGTGGAAAGGCTCGGGCCGGATCGCTGATGTGATCGCTAGCCTGGTGGAGGTG 1050

1060 1070 1080 1090 1100 1110 1120

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AGTTATTAATAATGGAAGAAGCTGGGGATGAAATTGTGAGCAATGCCATCTCCTACGCTCTATACAAAGCC 1260  
TTCAGCACCAAGTGAGCAAGACAAGGATAACTGGAATGGGCAGCTGAAGCTTCTGCTGGAGTGGAAACCAGC 1330  
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1410 1420 1430 1440 1450 1460 1470

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1760 1770 1780 1790 1800 1810 1820

TCATTTGGGAGCAGACCAGGGGCTGCACCTCTGGCAGCCCTGCGAGCCAGCAAGCTTCTGAAGACTCTGGC 1820  
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GTTGAGCTGTTCACTGAGTGTACAGCAGCGATGAAGACTTGGCAGAACAGCTGCTGGTCTATTCTCTGTG 1960  
AAGCTTGGGGTGGAAAGCAACTGCTGGAGCTGGCGGTGGAGGCCACAGACCAGCATTTCACCGCCCAGCC 2030  
TGGGGTCCAGAATTTCTTTCTAAGCAATGGIATGGAGAGATTTCCCGAGACACCAAGAAGTGGAAAGATT 2100

Fig. 12A

2110 2120 2130 2140 2150 2160 2170

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GGTCTTCTACATCGCCTTCCCTCCTGCTGTTTGGCTACGTGCTGCTCATGGATTTCCATTTCGGTGCCACAC 2310

CCCCCGAGCTGCTCCTGTACTCCCTGGTCTTTGTCTCTTCTGTGATGAAGTCAGACAGTGGTACGTAA 2380

ATGGGGTGAATTATTTTACTGACCTGTGGAATGTGATGGACACGCTGGGGCTTTTTTACTTTCATAGCAGG 2450

2460 2470 2480 2490 2500 2510 2520

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2810 2820 2830 2840 2850 2860 2870

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3160 3170 3180 3190 3200 3210 3220

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3510 3520 3530 3540 3550 3560 3570

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3860 3870 3880 3890 3900 3910 3920

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4210 4220 4230 4240 4250 4260 4270

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[illegible]

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 GGAKNFALKPRMRKIFSRLLIYAQSKGAWILTGGTHYGLTKYIGEVVRDNTISRSSEENIVAIGIAAWGM 210  
 VSNRDTLIRNCDAEGYFLAQYLMDDFTRDPLYILDNNHTHLLLVDNGCHGHPTVEAKLRNQLKHSERT 280  
 IQDSNYGGKIPIVCFAQGGGKETLKAINTSIKNKIPCVVVEGSGRIADVIASLVEVEDAPTSSAVKEKLV 350  
 360 370 380 390 400 410 420  
 RFLPRTVSRLSEEETESWIKWLKEILECSHLLTVIKMEEAGDEIVSNAISYALYKAFSTSEQQKDNWNGQ 420  
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 HFSTLVYRNQLIAKNSYNQALLTFVWKL VANFRRGFRKEDRNGRDEMDELHDVSPITRHPLQALFIWAI 560  
 LQNKKELSKVIWEQTRGCTLAALGASKLLKTLAKVKNDINAAGESEELANEYFTRAVELFTECYSSDEDL 630  
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 710 720 730 740 750 760 770  
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Fig. 12B